Attorney Docket No. 26491U PCT/IL2003/000602

## REMARKS

The above amendments have been made to conform the claims to U.S. practice.

Respectfully submitted,

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Date: January 13, 2005

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GMN/GBK/ng: PrelimAmend

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## Attachment A

- 1-52. (canceled)
- 53. (new) A lithographic printing plate comprising: a substrate; and a single-coat self-organized multilayer infra-red imageable material.
- 54. (new) A lithographic printing plate according to claim 53, wherein the substrate is aluminum or polyester.
- 55. (new) A lithographic printing plate according to claim 54, wherein the substrate is aluminum that is grained and anodised, or the substrate is aluminum that has been treated with phosphoric acid.
- 56. (new) The lithographic printing plate of claim 54, wherein the substrate is aluminum that is pre-coated with a thermally insulating organic coating.
- 57. (new) The lithographic printing plate of claim 53, wherein the single coat self- organized multilayer contains at least one of: a poly dimethyl siloxane, a hydrophilic polymer, and an infrared absorbing dye or mixture of dyes.
- 58. (new) A lithographic printing plate of claim 53, wherein said single-coat self- organized multilayer infra-red imageable material comprises silicone polymers and non-silicone polymers.
- 59. (new) The lithographic printing plate of claim 58, wherein the non-silicone polymer is nitrocellulose or a mixture of nitrocelluloses.

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- 60. (new) The lithographic printing plate of claim 58, where the non-silicone polymer is hydrophilic, or oleophilic.
- 61. (new) The lithographic printing plate of claim 58, which on selective imaging by infra-red ablation gives oleophilic image areas formed by the surface of the substrate, and oleophobic non-image areas formed from unablated silicone.
- 62. (new) The lithographic printing plate of claim 58, which on selective imaging by infra-red ablation gives oleophilic image areas formed by the non-silicone polymer-enriched surface directly attached to the substrate exposed by the image ablation process and oleophobic non-imaged areas formed from unablated silicone.
- 63. (new) The lithographic printing plate of claim 58, which on selective ablation by infra-red radiation gives hydrophilic ablated (background) areas formed by the surface of the substrate, and oleophilic non-ablated (image) areas formed from unablated silicone.
- 64. (new) The lithographic printing plate of claim 58, which on selective ablation by infra-red radiation gives hydrophilic ablated (background) areas formed by the non-silicone polymer-enriched surface directly attached to the substrate exposed by the ablation process and oleophilic non-ablated (image) areas formed from unablated silicone.
- 65. (new) A method of forming a lithographic printing plate, comprising providing a substrate, and applying a single-coat self-organizing infra-red imageable material onto said substrate.

- 66. (new) The method of claim 65, wherein the substrate is aluminum or the substrate is polyester.
- 67. (new) The method of claim 66, wherein the substrate is aluminum that is grained and anodised or the substrate is aluminum that has been treated with phosphoric acid.
- 68. (new) The method of claim 65, wherein the substrate is aluminum and the method additionally comprises the step of precoating the aluminum with a thermally insulating organic coating.
- 69. (new) The method of claim 65, wherein the single coat selforganizing contains at least one of: a poly dimethyl siloxane, a hydrophilic polymer, and an infrared absorbing dye or mixture of dyes.
- 70. (new) The method of claim 65, wherein said single-coat self-organizing infra- red imageable material comprises silicone polymers and non-silicone polymers.
- 71. (new) The method of claim 70, wherein the non-silicone polymer is nitrocellulose or a mixture of nitrocelluloses.
- 72. (new) The method of claim 70, where the non-silicone polymer is hydrophilic or oleophilic.
- 73. (new) The method of claim 65, wherein the self-organizing infra-red material is deposited from a mixture of at least two volatile organic solvents.

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- 74. (new) The method of claim 73, wherein said single coat self-organizing material additionally contains a poly dimethyl siloxane, said poly dimethyl siloxane soluble in at least one of said mixture solvents.
- 75. (new) The method of claim 74, wherein the non-silicone polymer is soluble in at least one of said mixture solvents.
- 76. (new) The method of claim 74, additionally comprising the step of diluting the solvent mixture in order to permit all of the ingredients to remain in solution for at least 8 hours.
- 77. (new) The method of claim 65, wherein the single coat self-organizing material contains a poly dimethyl siloxane and an infra-red absorbing dye or mixture of dyes that are chosen so that they do not inhibit the curing of the poly dimethyl siloxane.
- 78. (new) The method of claim 65, additionally comprising the step of heating said applied self-organizing infra-red imageable material, wherein the material organizes itself into an infinite number of horizontal layers constituting a self-organized system.
- 79. (new) The method of claim 70, additionally comprising the step of heating said applied self-organizing infra-red imageable material, wherein the material organizes itself into an infinite number of horizontal layers constituting a self-organized system having a mixture rich in poly methyl siloxane on its surface and a mixture rich in non-silicone polymer in proximity to the substrate surface.